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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/623,073

07/17/2003

Edward W. Jaeck

042390P15826

2686

7590

04/22/2005

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EXAMINER

WILLIAMS, ALEXANDER O

ART UNIT

PAPER NUMBER

2826

DATE MAILED: 04/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/623,073	JAECK, EDWARD W.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Alexander O. Williams	2826	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 19 January 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 5-17 is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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Serial Number: 10/623073 Attorney's Docket #: 042390P15826

Filing Date: 7/17/2003;

Applicant: Jaeck

Examiner: Alexander Williams

Applicant's election of Group I (claims 1 to 17), filed 1/17/5, has been acknowledged.

Claims 18-20 have been acknowledged.

The disclosure is objected to because of the following informalities: On page 8, paragraph [0021], lines 1 and 2, "a stress concentration 53" should probably be --a stress concentration 54--. There is no 53 in figure 3. In figure 1, the number "37" is not described in the specification.

Appropriate correction is required.

The drawings are objected to because in figure 3, "54" is not described in the specification. In figure 1, "37" should probably be --32--. The number "37" is not described in the specification.

Correction is required.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

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Claims 1 to 3 are rejected under 35 U.S.C. § 102(e) as being anticipated by Wang et al. (U.S. Patent # 6,444,921 B1).

1. Wang et al. (figures 1 to 20B) specifically figure 5 show an electronic package 10", comprising: a substrate 30' having at least a first resilient layer (24 on the end of 20A) with a first edge and a flexible layer which is bent, with the first edge promoting where the flexible layer is bent; a plurality of traces (35, see figures 2 and 3) supported by the substrate and extending from a first portion to a second portion on respectively first and second opposite sides of the edge; and at least a first electronic device 20A,20B carrying an integrated circuit, mounted to the substrate on the first side of the edge.

2. The electronic package cad claim 1, Wang et al. further comprising: a second electronic device 12 mounted to the substrate on the second side of the edge.

3. The electronic package of claim 1, wherein the substrate has a second resilient layer (24 on the other end of 20B) with a second edge spaced from and substantially parallel to the first edge, the second edge promoting where the flexible layer is bent.

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Any such indication as to the allowability of these claims is reserved until which time a suitable response is filed.

Claims 5 to 17 are allowed.

The listed references are cited as of interest to this application, but not applied at this time.

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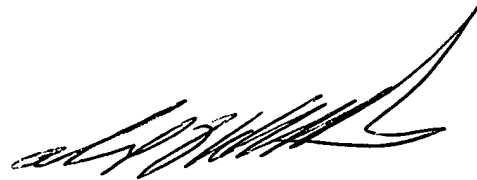
Field of Search	Date
U.S. Class and subclass: 257/686,685,723,777,668,774,725,700,701,758,698,691,6 90,712,713,696,693,692 174/52.1,52.2,52.3,260 361/749,760,752,809,810,772,783,776,735 385/14 29/832,856	4/16/05
Other Documentation: foreign patents and literature in 257/686,685,723,777,668,774,725,700,701,758,698,691,6 90,712,713,696,693,692 174/52.1,52.2,52.3,260 361/749,760,752,809,810,772,783,776,735 385/14 29/832,856	4/16/05
Electronic data base(s): U.S. Patents EAST	4/16/05

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander O. Williams whose telephone number is (571) 272 1924. The examiner can normally be reached on M-F 6:30-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272 1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Alexander O Williams  
Primary Examiner  
Art Unit 2826

AOW  
4/17/05